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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR *	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/557,992	01/09/2006	Yoshio Umezawa	2005_1843A	7824
WENDEROTH, LIND & PONACK, L.L.P. 2033 K STREET N. W. SUITE 800 WASHINGTON, DC 20006-1021			EXAMINER	
			NOBLE, MARCIA STEPHENS	
			ART UNIT	PAPER NUMBER
			1632	
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		·	01/11/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(a)			
	Application No.	Applicant(s)			
	10/557,992	UMEZAWA ET AL.			
Office Action Summary	Examiner	Art Unit			
	Marcia S. Noble	1632			
The MAILING DATE of this communication appeared for Reply	pears on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailine earned patent term adjustment. See 37 CFR 1.704(b).	OATE OF THIS COMMUNICATION 136(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).			
Status					
Responsive to communication(s) filed on 2a) ◯ This action is FINAL. 2b) ☐ This 3) ☐ Since this application is in condition for alloware closed in accordance with the practice under the practice of the condition is in condition.	s-action is non-final. ance except for formal matters, pro				
Disposition of Claims					
4) Claim(s) <u>1-10</u> is/are pending in the application 4a) Of the above claim(s) is/are withdra 5) Claim(s) is/are allowed. 6) Claim(s) is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) <u>1-10</u> are subject to restriction and/or	wn from consideration.				
Application Papers					
9) The specification is objected to by the Examina 10) The drawing(s) filed on is/are: a) accomposite and accomposite accomposite and accomposite and accomposite accomposite and accomposite accomposite and accomposite accomposite accomposite accomposite accomposite accomposite and accomposite accom	cepted or b) objected to by the drawing(s) be held in abeyance. Section is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
Attachment(s)	∆ □ (-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-1,-	(DTO 412)			
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal I 6) Other:	ate			

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DETAILED ACTION

Election/Restrictions

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-5, drawn to a pair of probes for analyzing protein-protein interactions, which comprises: a probe A containing at least an N-terminal half polypeptide of split *Renilla* luciferase; and a probe B containing at least the remaining C-terminal half polypeptide of split *Renilla* luciferase.

Group II, claim(s) 6-8, drawn to a method of analyzing protein-protein interactions comprising fusing a protein "a" to probe A and fusing a protein "b" to probe B, making protein "a" fused to probe A and protein "b" fused to Probe B coexit in the presence of coelenterazine and oxygen, and measuring the luminescence thus emitted.

Group III, claim(s) %, drawn to A non-human animal or offspring animal thereof, which is obtained by introducing a polynucleotide expressing the protein "a" fused to the probe A and a polynucleotide expressing the protein "b" fused to the probe B into a non-human totipotent cell; and causing ontogenesis of the cell to non-human animal.

Group IV, claim(s) 10, drawn to a method for screening a substance, which comprises: introducing a test sample into the non-human animal or offspring animal thereof which is obtained by introducing a polynucleotide expressing the protein "a" fused to the probe A and a polynucleotide expressing the protein "b" fused to the probe B into a non-human totipotent cell; and causing ontogenesis of the cell to non-human animal; and analyzing a protein-protein interaction in the cell of the non-human animal or offspring animal thereof.

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The inventions listed as Groups I-IV do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

- A) The invention has no special technical feature that defined the contribution over the prior art, or
- B) Unity of invention between different categories of inventions will only be found to exist if specific combinations of inventions are present. Those combinations include:
 - 1) A product and a special process of manufacture of said product.
 - 2) A product and a process of use of said product.
- 3) A product, a special process of manufacture of said product, and a process of use of said product.
 - 4) A process and an apparatus specially designed to carry out said process.
- 5) A product, a special process of manufacture of said product, and an apparatus specially designed to carry out said process.

The allowed combinations do not include multiple products, multiple methods of using said products, and methods of making multiple products as claimed in the instant application, see MPEP § 1850.

Applicant's claims encompass multiple inventions and do not have a special technical feature which link the inventions one to the other, and lack unity of invention.

A) The invention has no special technical feature that defined the contribution over the prior art because the instant invention has already been disclosed by Paulmurugan et al (Anal Chem 75:1584-1589, April 1, 2003)

Paulmurugan et al disclose a pair of probes for analyzing protein-protein interactions, which comprises: a probe A containing at least an N-terminal half polypeptide of split *Renilla* luciferase; and a probe B containing at least the remaining C-terminal half polypeptide of split *Renilla* luciferase (see abstract, p1585-1586, and Table 1).

Also:

B) Applicant's claims encompass multiple inventions and do not have a special technical feature which link the inventions one to the other, and lack unity of invention. The instant invention encompasses multiple products, a pair of probes and a animal.

Applicant is advised that the reply to this requirement to be complete must include (i) an election of a species or invention to be examined even though the requirement be traversed (37 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

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The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Marcia S. Noble whose telephone number is (571) 272-5545. The examiner can normally be reached on M-F 9 to 5:30.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Paras can be reached on (571) 272-4517. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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